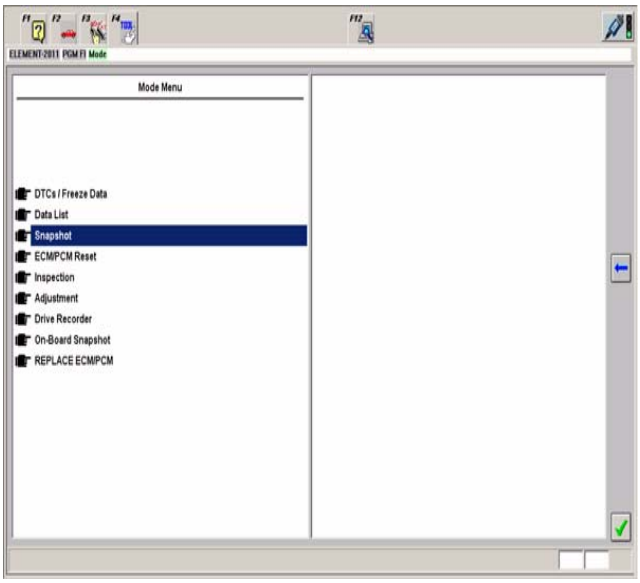
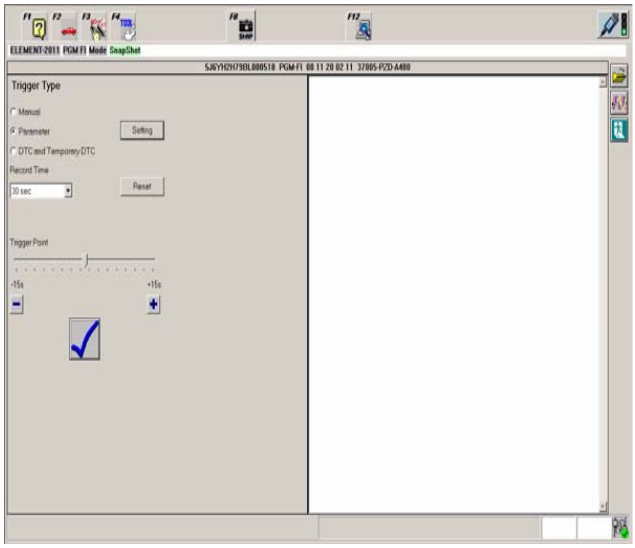
Recording an HDS Misfire Snapshot

HDS snapshots record vehicle data over time. Once you have recorded this data, you can view the data parameters while disconnected from the vehicle, or send the data to the Tech Line database.

1. Connect the laptop PC and the MVCI to the vehicle's DLC, and clear any fuel and emissions DTC's.
2. Go to the PGM-FI Mode Menu, and double-click on **Snapshot**.



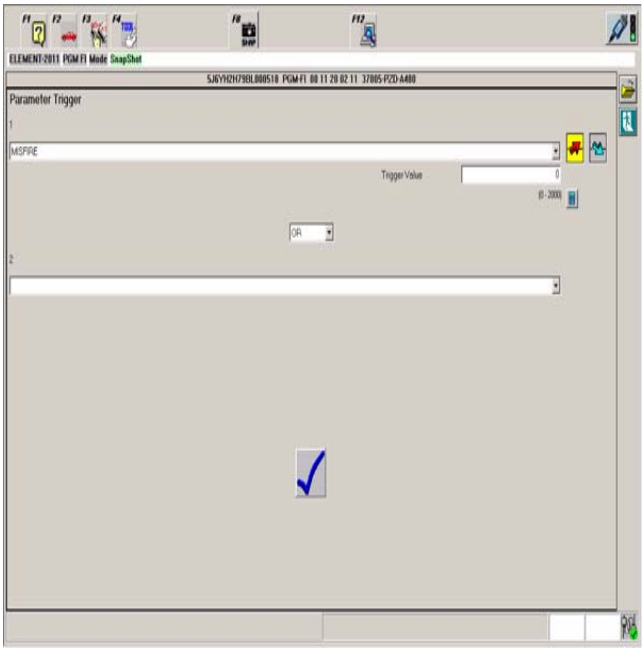
3. In the Snapshot menu, choose the Parameter Trigger Type. Then click on the **Setting** button.



4. Click on the drop down menu, and choose **MISFIRE**.

   NOTE:

   - You will have to scroll down to find MISFIRE on the list.
   - If the left arrow box (pointing up) does not have a yellow back ground, click on it.



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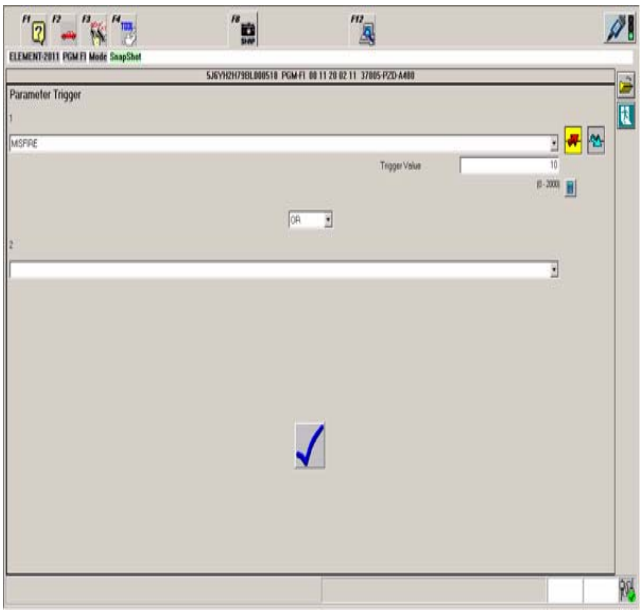
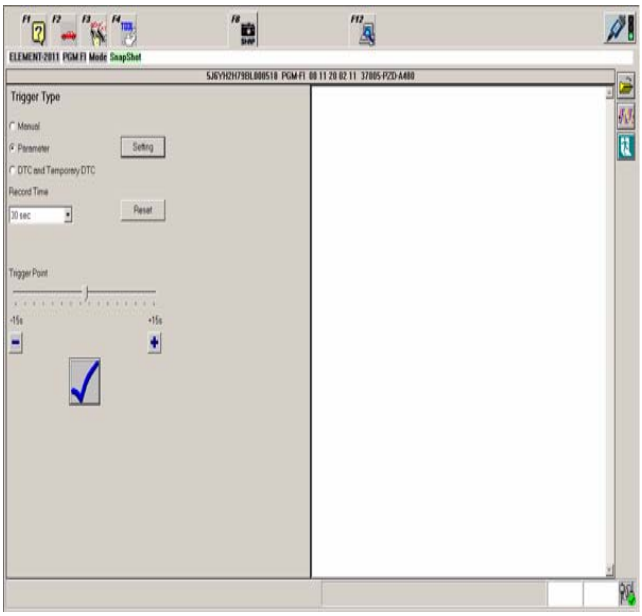
5. Click on the box marked Trigger Value, and enter 10.



6. Click on the blue arrow at the bottom of the setting screen to return to the snapshot menu.

   NOTE: Do not set up Parameter 2.

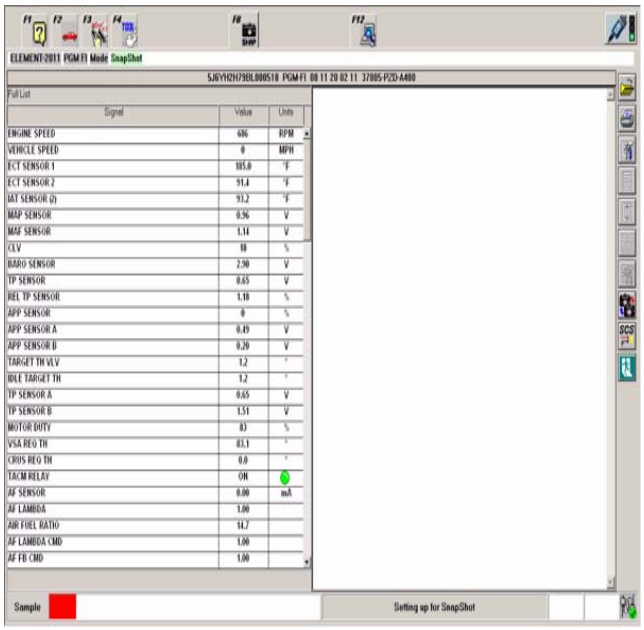
7. The default record time should be set at 30 seconds. If not, choose 30 seconds in the Record Time drop down box.



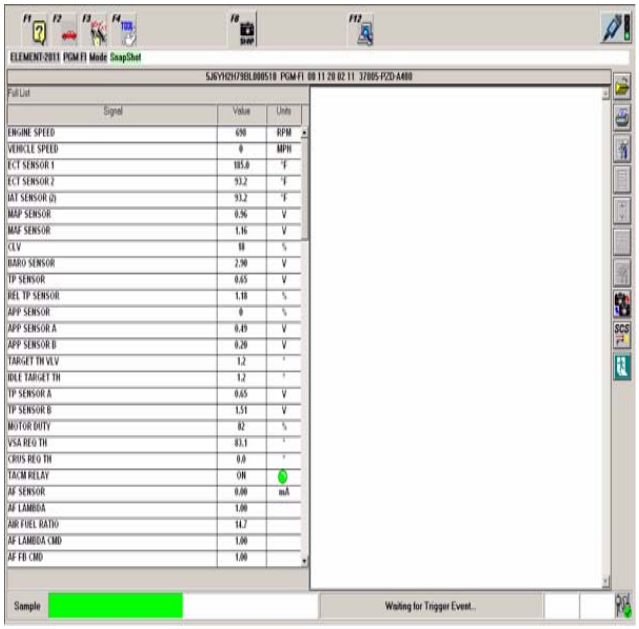
8. The default setting should be in the middle of the slide bar. If not, choose the middle of the Trigger Point. The value on the left side of the slide bar should read -15 and the value on the right side of the bar should read +15.

9. Click on the blue checkmark.

10. The next screen is the data capture screen. This screen displays red in the sample bar, and reads **Setting up for SnapShot**.



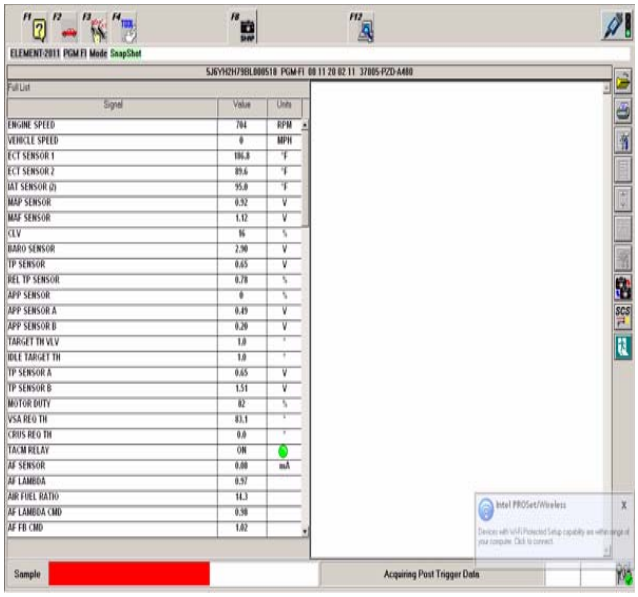
11. Before taking a snapshot, wait until the sample bar turns green and the text on the right reads **Waiting for Trigger Event**. This indicates the HDS has gathered enough data to create a complete snapshot.



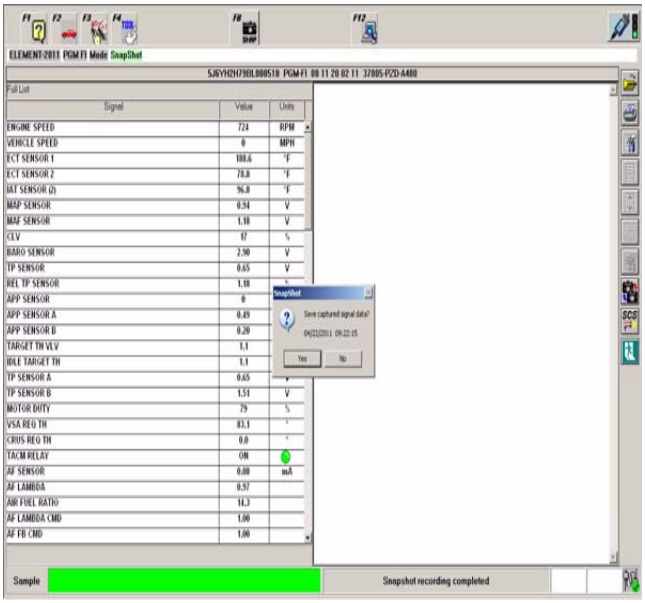
12. Drive the vehicle under the conditions required to cause misfire. When the misfire counter exceeds 10, the HDS begins recording vehicle data. The sample bar turns red, and the text reads **Acquiring Post Trigger Data**.

    NOTE: Only record one misfire event per snapshot. If the vehicle misfires under multiple loads and conditions, record one snapshot for each set of conditions.

    If you do not know the conditions required to create a misfire on your vehicle, operate the vehicle under various operating speeds and loads to see if you can trigger the snapshot.



13. When data gathering ends, a pop up box appears reading **Save captured signal data?** Clicking Yes records the data into the PC data file.



14. A pop up box appear reading **Captured signal data successfully saved**, and the snapshot is now complete.